

**ABSTRACT OF THE DISCLOSURE**

A gas spring provides an outer cylinder which is partitioned into a multiple of auxiliary volumes. A multiple of temperature compensation valves are located within a piston cylinder which sequentially open or close. As the temperature increases, the temperature compensation valves open sequentially and as the temperature decreases the temperature compensation valves close in reverse sequence. Between each pair of adjacent temperature compensation valves is a passage which provides communication between the working volume and an auxiliary volume to effectively increase or decrease the working volume of gas within cylinder through communication with or isolation of the auxiliary volumes.

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